

REMARKS

By this Amendment, independent claims 1, 2, 3, 22 and 23 are amended to merely clarify the recited subject matter, claims 12, 13 and 33 are cancelled without prejudice or disclaimer and a corrected Fig. 2 is submitted. Claims 1-11, 14-32 and 34-41 are pending.

The Office Action rejected claims 1-10, 12-14, 18, 22-31, 33-34 and 37-38 under 35 U.S.C. 102 as being anticipated by Muller (U.S. 6,490,461), rejected claims 11 and 32 under 35 U.S.C. 103 as being unpatentable over Muller in view of Tong et al. (U.S. 6,311,070; hereafter "Tong"), rejected claims 15 and 35 under 35 U.S.C. 103 as being unpatentable over Muller in view of Mitra et al. (U.S. 5,732,328; hereafter "Mitra"), rejected claims 16-17 and 36 under 35 U.S.C. 103 as being unpatentable over Muller in view of Denkert et al. (U.S. 6,374,117; hereafter "Denkert"), rejected claims 19-20 and 39-40 under 35 U.S.C. 103 as being unpatentable over Muller in view of Shah (U.S. 6,167,259) and rejected claims 21 and 41 under 35 U.S.C. 103 as being unpatentable over Muller in view of Gatherer et al. (U.S. Pat. App. 2002/0115463; hereafter "Gatherer").

Applicants submit that the rejections of claims 12, 13 and 33 are moot due to their cancellation and traverse the prior art rejections of the remaining claims because no combination of the cited prior art references provides all the features recited in the rejected, pending claims. For example, no combination of the cited prior art references provides:

- ◆ a method for implementing power control on a connection between two transceivers, the method comprising "estimating the probability of correct frames for the received signal on the basis of the soft decisions provided by the decoder. . . wherein the power control information is calculated on the basis of the estimated probability," as recited in independent claim 1 and its dependent claims;
- ◆ a method for implementing power control on a connection between two transceivers, the method comprising "estimating the probability of correct frames for the received signal on the basis of the soft decisions provided by the decoder. . . wherein . . . power control information is calculated on the basis of the estimated probability," as recited in independent claim 2 and its dependent claims;
- ◆ an arrangement for implementing power control on a connection between two transceivers, the arrangement comprising "means for establishing the probability of correct frames for the received signal on the basis of the soft decisions provided by the decoder . . . and means for calculating the power control information on the basis of the estimated probability," as recited in independent claim 22 and its dependent claims; and

- ◆ an arrangement for implementing power control on a connection between two transceivers, the arrangement comprising “means for estimating the probability of correct frames for the received signal on the basis of the soft decisions provided by the decoder . . . and means for calculating the power control information on the basis of the estimated probability,” as recited in independent claim 23 and its dependent claims.

As disclosed in the specification, a more detailed estimate is calculated for the frame error rate than is possible by utilizing CRC coding alone. In accordance with the invention, the estimate from the output of the decoder provides a soft value which reveals how successful the decoding was. To the contrary, the CRC only provides either 0 or 1 without any further information about the relative success of the decoding.

Muller merely teaches calculating a frame error rate by utilizing CRC coding alone.

Tong fails to remedy the deficiencies of Muller because Tong merely teaches on the subject of selection of step size.

Mitra fails to remedy the deficiencies of Muller and Tong because Mitra merely teaches on the subject of outage probability.

Denkert fails to remedy the deficiencies of Muller, Tong and Mitra because Denkert merely teaches on the subject of partial sequential frame redundancy.

Shah fails to remedy the deficiencies of Muller, Tong and Mitra because Shah merely teaches on the subject of non-parametric estimator usage.

Finally, Gatherer fails to remedy the deficiencies of Muller, Tong, Mitra, Shah and Denkert because Gatherer merely teaches on the subject of posteriori probabilities of information bits.

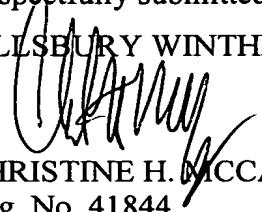
Therefore, no combination of the cited prior art references provides the claimed solution wherein a probability of correct frames is estimated for the received signal on the basis of the soft decisions provided by the decoder, and the power control is controlled on the basis of the estimated probability, as recited in the rejected claims 1-41. Accordingly, claims 1-41 are allowable.

All prior art rejections having been traversed, Applicants submit that the application is in condition for immediate allowance and requests that a Notice be issued to that effect. If anything remains necessary to place the application in condition for allowance, Applicants request that the Examiner contact Applicants' undersigned representative.

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Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,
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